

	L #	Hits	Search Text	DBs
1	L1	364	(directory index\$3) with (address site location) with (id identifier keyword title indicator name label tag unique adj number) near3 content	US- PGPUB; USPAT
2	L3	15	(directory index\$3) with (address site location) with (id identifier keyword title indicator name label tag unique adj number) near3 content and search\$3 with query and @ad<"20001218"	US- PGPUB; USPAT
3	L4	133	(directory index\$3) with (address site location) and (id identifier keyword title indicator name label tag unique adj number) near5 content with (match\$3 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with query and @ad<"20001218"	US- PGPUB; USPAT
4	L5	69	(directory index\$3) with (address site location) with (id identifier keyword title indicator name label tag unique adj number) and (id identifier keyword title indicator name label tag unique adj number) near5 content with (match\$3 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with query and @ad<"20001218"	US- PGPUB; USPAT

	L #	Hits	Search Text	DBs
5	L6	1	regist\$6 near3 (directory index\$3) with (address site location) with (id identifier keyword title indicator name label tag unique adj number) and (id identifier keyword title indicator name label tag unique adj number) near5 content with (match\$3 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with query and @ad<"20001218"	US-PGPUB; USPAT
6	L7	1	regist\$6 with (directory) with (address site location) with (id identifier keyword title indicator name label tag unique adj number) and (id identifier keyword title indicator name label tag unique adj number) near5 content with (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with query and @ad<"20001218"	US-PGPUB; USPAT
7	L8	4	regist\$6 with (directory) with (site location) with (id identifier keyword title indicator name label tag unique adj number) and (id identifier keyword title indicator name label tag unique adj number) with content with (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with query and @ad<"20001218"	US-PGPUB; USPAT

	L #	Hits	Search Text	DBs
8	L9	0	regist\$6 near3 (directory) same (new addition) adj2 (site server isp provider location) and (id identifier keyword title indicator name label tag unique adj number) with (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with query and @ad<"20001218"	US- PGPUB; USPAT
9	L10	0	regist\$6 with (directory) same (new addition) with (site server isp provider location) and (id identifier keyword title indicator name label tag unique adj number) with (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with query and @ad<"20001218"	US- PGPUB; USPAT
10	L11	11	regist\$6 with (directory) with (site server isp provider location) and (id identifier keyword title indicator name label tag unique adj number) with (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with query and @ad<"20001218"	US- PGPUB; USPAT

	L #	Hits	Search Text	DBs
11	L12	2	regist\$6 with (directory) with (site server isp provider location) and (id identifier keyword title indicator name label tag unique adj number) with (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with content.ab. and @ad<"20001218"	US-PGPUB; USPAT
12	L14	3	search\$3 with content.ab. and regist\$6 with (directory) with (site server isp provider location) and (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and @ad<"20001218"	US-PGPUB; USPAT
13	L15	1	regist\$6 with (directory index database) same (site server isp provider location) same (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) with (new added addition) and @ad<"20001218"	US-PGPUB; USPAT
14	L16	1172	regist\$6 with (new added addition) with (directory index database site server isp provider) and (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and @ad<"20001218"	US-PGPUB; USPAT

	L #	Hits	Search Text	DBs
15	L17	93	regist\$6 with (new added addition) with (directory index database site server isp provider) same (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and @ad<"20001218"	US-PGPUB; USPAT
16	L18	26	regist\$6 with (new added addition) with (directory index database site server isp provider) same (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with content and @ad<"20001218"	US-PGPUB; USPAT
17	L21	14	regist\$6 with (new added addition) with (directory index database site server isp provider) same (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with content and (item element component) and keyword and @ad<"20001218"	US-PGPUB; USPAT
18	L22	0	regist\$6 with (new added addition) with (directory index database) same (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and (portal search\$3 with content) and (item element component) and keyword and @ad<"20001218"	US-PGPUB; USPAT

	L #	Hits	Search Text	DBs
19	L23	0	regist\$6 with (new added addition another other) near3 (directory index database site server isp provider) same (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with content and (item element component) and keyword and @ad<"20001218"	US-PGPUB; USPAT
20	L24	0	(bind\$3 regist\$6) with (new added addition another other) near3 (directory index database site server isp provider) same (descript\$3 content) near5 (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with content and (item element component) and keyword and @ad<"20001218"	US-PGPUB; USPAT
21	L25	11	(bind\$3 regist\$6) with (new added addition another other) near3 (directory index database site server isp provider) same (descript\$3 content) with (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and search\$3 with content and @ad<"20001218"	US-PGPUB; USPAT
22	L26	31	(regist\$6) with directory same content with (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and (portal search\$3 with content) and @ad<"20001218"	US-PGPUB; USPAT

	L #	Hits	Search Text	DBs
23	L27	0	(regist\$6) with directory same content with (match\$3 map\$4 compar\$5 based accord\$3 associat\$2 correspon\$4) and (portal) and (query search\$3 key keyword content) and @ad<"20001218"	US- PGPUB; USPAT
24	L28	2	(regist\$6) with directory same content and (portal) and (query search\$3 key keyword content) and @ad<"20001218"	US- PGPUB; USPAT

	L #	Hits	Search Text	DBs
9	L12	18186	(find\$3 filter\$3 detect\$3 discover\$3 search\$3) and (keyword) (noun titile category type class) with (action verb service function) and (regist\$4 with (index database directory) same content portal)and @ad<"20001218"	US-PGPUB; USPAT
10	L13	16127	(find\$3 filter\$3 detect\$3 discover\$3 search\$3) and (keyword) (noun titile category type class) with (action verb service function) and regist\$4 with (index database directory) same content0 and portal and @ad<"20001218"	US-PGPUB; USPAT
11	L14	8527	(find\$3 filter\$3 detect\$3 discover\$3 search\$3) with (keyword) and (keyword) (noun titile category type class) with (action verb service function) and regist\$4 with (index database directory) same content0 and portal and @ad<"20001218"	US-PGPUB; USPAT
12	L18	2	(keyword) with (action verb service function) and regist\$4 with (index database directory) same content and portal and @ad<"20001218"	US-PGPUB; USPAT
13	L19	5	(keyword) with (action verb service function) and regist\$4 with (index database directory) and content and portal and @ad<"20001218"	US-PGPUB; USPAT

	L #	Hits	Search Text	DBs
1	L1	1731	(key keyword) with (action verb service function) same directory	US-PGPUB; USPAT
2	L2	44	(key keyword) with (action verb service function) same directory.ab.	US-PGPUB; USPAT
3	L3	9	(key keyword) with (action verb service function) same directory same search\$3.ab.	US-PGPUB; USPAT
4	L4	13	search\$3 with (key keyword) with (action verb service function) same directory same content and @ad<"20001218"	US-PGPUB; USPAT
5	L5	2	search\$3 with (keyword) with (action verb service function) same directory same content and @ad<"20001218"	US-PGPUB; USPAT
6	L9	1	(find\$3 filter\$3 detect\$3 discover\$3 search\$3) same (keyword) with (action verb service function) and regist\$4 same directory same content and @ad<"20001218"	US-PGPUB; USPAT
7	L10	23	(find\$3 filter\$3 detect\$3 discover\$3 search\$3) same (keyword) with (action verb service function) and regist\$4 same (index database directory) same content and @ad<"20001218"	US-PGPUB; USPAT
8	L11	17278	(find\$3 filter\$3 detect\$3 discover\$3 search\$3) and(keyword) (noun titiel category type class) with (action verb service function) and regist\$4 same (index database directory) same content and @ad<"20001218"	US-PGPUB; USPAT

	L #	Hits	Search Text	DBs
14	L20	14	(keyword content string query search) with (action verb service function perform\$4) with (subject category noun title) and regist\$4 with (index database directory) and portal and @ad<"20001218"	US- PGPUB; USPAT



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(12) **United States Patent**
Knight

(10) Patent No.: **US 6,515,681 B1**
(45) Date of Patent: **Feb. 4, 2003**

(54) **USER INTERFACE FOR INTERACTING WITH ONLINE MESSAGE BOARD**

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(58) Field of Search **345/968, 752, 345/751, 753, 758, 760, 738, 739; 707/4, 3, 6, 104.1; 709/205**

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(57) **ABSTRACT**

A program and graphical user interface is provided for facilitating user interactions with an online message board system. The interface provides multiple levels of filtering and screening capability with query parameters presented within a first portion of the interface to permit comprehensive and flexible selection of message entries of interest to a user. The message entries are compiled into intelligent sets corresponding to logical constructs tailored for the community of users for the online message board system, so that the need for reviewing messages to locate relevant subject matter is substantially eliminated. After the user specified message entries are retrieved, they can be displayed in list form in a second portion of the interface, and then reviewed in depth in yet a third portion of the interface. The query and reviewing operations by the user can all take place therefore, within a single screen, providing the user with a simplified but powerful tool for perusing subject matter of interest from a large collection of message postings. Collections of messages can be pre-compiled and downloaded to the user in advance, based on predictive logic, resulting in faster perceived response times from the user's viewpoint. In a preferred embodiment, the present interface is used in connection with a financial information based message board system, where it is used by members of an online electronic community to capture and share individual user rationales and logic for purchasing or selling financial instruments such as securities, options, etc.

45 Claims, 11 Drawing Sheets

Microfiche Appendix Included
(2 Microfiche, 171 Pages)

